



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RB PWC64211
Job Sheet 180783



Part No: RB PWC64211

Job Qty: 1 ea

Part Name: Engine Hoist



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/16/18

Job Tracking No:

Due Date: 7/30/18

Created By: Patrick Lussier

Type: Stock

Description:

Note: URF 17-623 DWG REV 1 IPP REV:A 17.07.19 NEW ISSUE DD VERF:JFS

Ship Via:

U/R
8/10/2018 (MODEL FROM METEC THAT THEY HAD IN STOCK FROM LAST BUILD)

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		7/30/18	0.00	0.00	Purchasing		JUL 17 2018
110	Packaging	1 pcs		7/30/18	0.00	0.00	Packaging2		JUL 17 2018
120	QC	1 pcs		7/30/18	0.00	0.00	QC6		38
124	Small Fab	1 pcs		7/30/18	0.00	0.50	Small Fab		MJC 9-89 DAS 38
126	QC	1 pcs		7/30/18	0.00	0.00	QC5		21 9-89 38
130	Packaging	1 pcs		7/30/18	0.00	0.00	Packaging3-1		9-89 38
140	QC21-SA	1 Ea		7/30/18	0.00	0.00	QC21		DAS 9-89 38

Part Op 100 - ISSUE P/O: 040495 SUPPLIER: METEC MANUFACTURE, RB PWC64211 AS PER DWG C OF
Descriptions: C IS REQUIRED

124 - INSTALL LIFTING STRAP AS PER DWG

july 16 2018 x1 R L

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RB PWC64211P	Engine Hoist	1 pcs (1 ea)	100-Purchasing	5092834
RB PWC64844	Lifting Strap Assembly	2 Ea (2 ea)	124-Small Fab	5097900
RB PWC64845	Lifting Strap Assembly	1 Ea (1 ea)	124-Small Fab	5092901

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RB PWC64211P	1	0	0
124-Small Fab	RB PWC64844	2	0	0
	RB PWC64845	1	0	0

Part Specifications

Specifications could not be found.

Plex 7/16/18 8:18 AM dart.Lussier.Patrick



Container No: S092843



Part: RB PWC64211

Job No: 180783

Serial No/Batch: S092843

Revision: 1

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 07/17/18

240
35
88-2
32
11-1

7/13/2018

ORDER ACKNOWLEDGEMENT



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

ORDER ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CFBIT01

Sold To: FBI Tactical Helicopter Unit/HRT
FBI Academy - HRT Building
Quantico, VA 22135
USA
Phone: 202-497-7616

Ship To: FBI Aviation
Stafford Regional Airport
Hangar C-1
Fredericksburg, VA 22406
USA

ORDER

Order No : 8048

Date: 7/13/18

Ship-To Contact: Thomas Payne

Email: tdpayne@fbi.gov

Cust PO No: 100wgmcard

FOB: Shipping Point

Ship Via: FedEx Express Saver (3 Day)

Freight Terms: PrePaid

Terms: Net 30

INCO Terms: Ex Works

Order Taker: Lacey Cantin

Order Taker Phone:

Order Taker Email: lcantin@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1	8/10/18	8/10/18	RB PWC64211	Engine Hoist	1	pcs	\$10,780.00USD	pcs	\$10,780.00 USD
				Services - SHIPPING CHARGES					\$500.14
Sub Total									\$11,280.14 USD
Grand Total									\$11,280.14 USD

ORDER NOTES

TAX ID # 53-0209945

FedEx Express Saver DART'S Acct # 325250593

Insure shipment for full Value

Duties & Taxes to be billed to the receiver

Include Customer PO# On All Documents

Ship Order As Soon As Possible

Lead Time 12 Weeks After Receipt of Order

5,450

Plex 7/13/18 12:00 PM dart.cantin.lacey

00040495

7/13/2018

ORDER ACKNOWLEDGEMENT

Remit to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

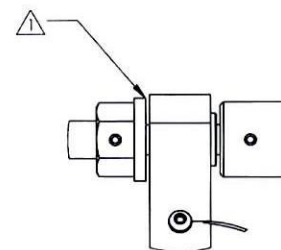
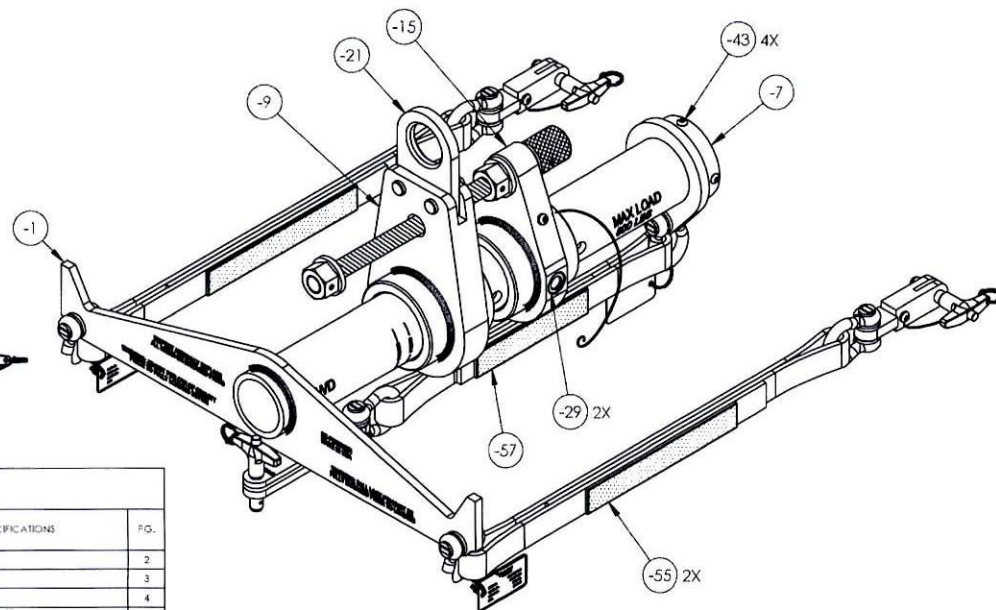
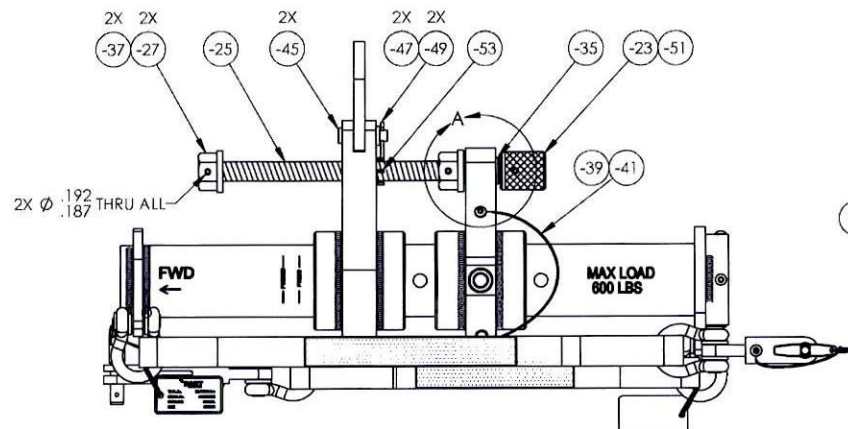
Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

Latest Revision Provided Unless Otherwise Requested

Plex 7/13/18 12:00 PM dart.cantin.lacey

This drawing, specifications, and concepts contained here are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
1	16-0001	REMOVED 10-32 UNF LANYARD MOUNT HOLES FROM -5 & -7 REMOVED -33 PIN, CHD -7 TO WELDMENT ADDED NEW -33 AND -19 TO -7. UPDATED TO NEW DRAFTING STANDARDS.	1/21/2016	SM JAG



DETAIL A
SCALE 1:2

UNDER REVIEW
URF 17-623 VM

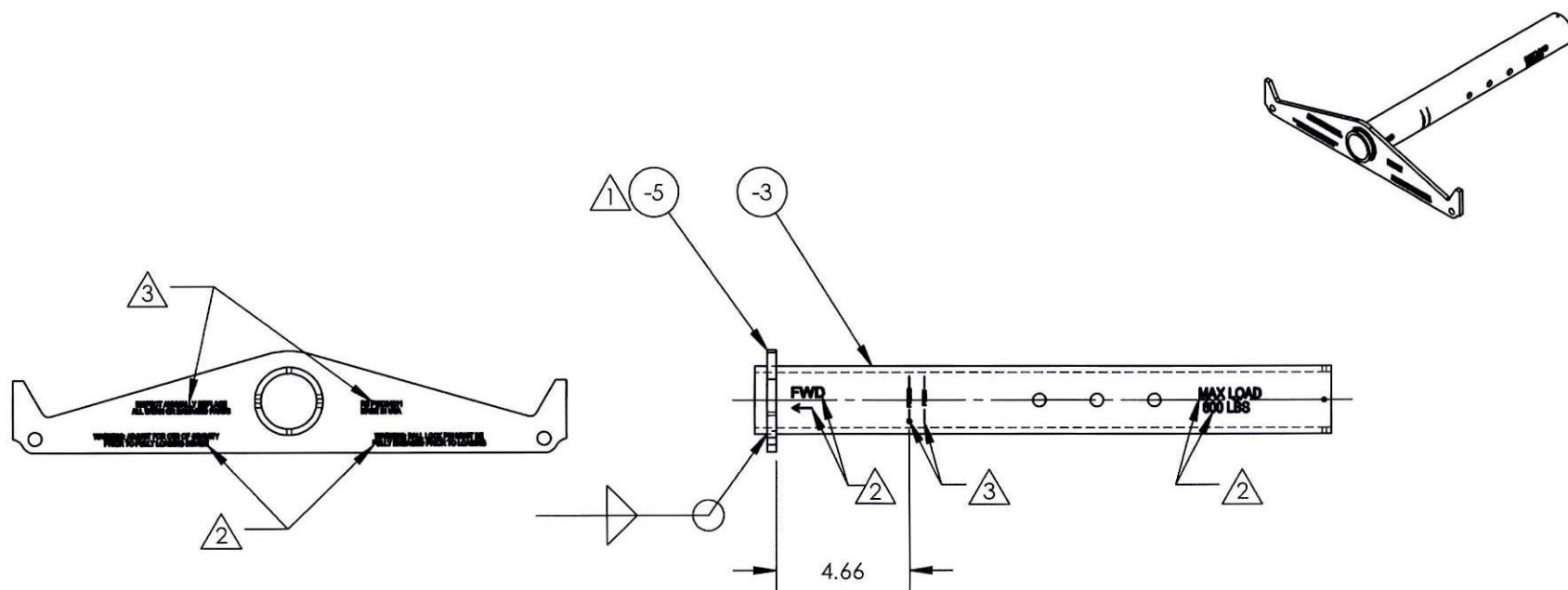
NOTE:
LIMIT GAP BETWEEN -15 AND -27 TO .125
MAX; MUST ROTATE FREELY.

BOM Table (Restructured)									
ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS
			X		-1	1	FRAME WELDMENT		
			1		-3		FRAME TUBE	6061 SCH 80	
					-5		FRAME FORWARD END	6061	
			1		-7	1	FRAME AFT END WELDMENT		
			X		-9	1	LIFT WELDMENT		
			1		-11		LIFT BODY	6061	
			1		-13		SLIDE TUBE	6061	
			X		-15	1	ANCHOR WELDMENT		
			1		-17		ANCHOR BODY	6061	
					-19		FRAME AFT END	6061	
					-21	1	LIFT PLATE	1018	
					-23	1	KNOS	1018	
					-25	1	SCREW	STEEL	5/8-11 UNC X 1 1/2 (MCMaster-CARR #98957A501 MODIFIED)
					-27	2	FLANGE HEX NUT	STEEL	5/8-11 UNC (MCMaster-CARR #91030AC35 MODIFIED)
				B/O	-29	2	DRILL BUSHING W/ HEAD	STEEL	Ø 7/16 ID X Ø 5/8 OD X 1 1/2 (MCMaster-CARR # 8492A235)
				B/O	-31	1	THANDLE BALL LOCK PIN	STEEL	Ø 7/16 X 4 ESSENTA #CL-7-BLPI-400
			1		-33		FRAME AFT END MOUNT	6061	
				B/O	-35	1	DRILL BUSHING W/ HEAD	STEEL	Ø 1/2 ID X 3/4 OD X 29/32 (MCMaster-CARR # 31435A213)
				B/O	-37	2	SPRING PIN	STEEL	3/16 X 1 (MCMaster-CARR # 90692A725)
				B/O	-39	1	BUTTON HEAD SOCKET CAP SCREW	STEEL	#10-32 X 1/4 (MCMaster-CARR # 91255A261)
					-41	1	LOOP TO EYE LANYARD		Ø 1/4 IN. EYE X Ø 1 IN. LOOP X 12 IN. LENGTH (USE COND & FERRIS)
				B/O	-43	4	BUTTON HEAD LOCKET CAP SCREW	STEEL	#10-24 X 5/8 (MCMaster-CARR # 91255A244)
				B/O	-45	2	CLEVE PIN	STEEL	Ø 3/8 X 1-1/2 (MCMaster-CARR # 9836A273)
				B/O	-47	2	SHIM	STEEL	3/8 ID X 5/8 OD X 1/8 (MCMaster-CARR # 3008A511)
				B/O	-49	2	COTTER PIN	STEEL	Ø 1/8 X 3/4 (MCMaster-CARR # 98338)
				B/O	-51	1	SPRING PIN	STEEL	Ø 3/16 X 1-1/8 (MCMaster-CARR # 9829A911)
				B/O	-53	1	KEY LOCKING THREAD INSERT	STEEL	5/8-11 UNC X 7/8-14 (MCMaster-CARR # 90245A038)
				B/O	-55	2	LIFTING STRAP		RB PWC64844
				B/O	-57	1	LIFTING STRAP		RB PWC64845
ASSY -15	ASSY -9	ASSY -7	ASSY -1						

TITLE ENGINE HOIST		REV 1
DWG NO. RB PWC64211		
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	APPROVED <i>[Signature]</i>	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC USED ON MODEL PRATT & WHITNEY 200 & 202B	
SCALE 1:4	DATE 11/26/2014	SHEET 1 OF 16

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



NOTE:

- ① -5 FACE WITH MACHINED ENGRAVINGS MUST FACE OUTWARD.
- ② FILL ENGRAVINGS WITH YELLOW PAINT AFTER ANODIZE.
- ③ FILL ENGRAVINGS WITH WHITE PAINT AFTER ANODIZE.

UNDER REVIEW

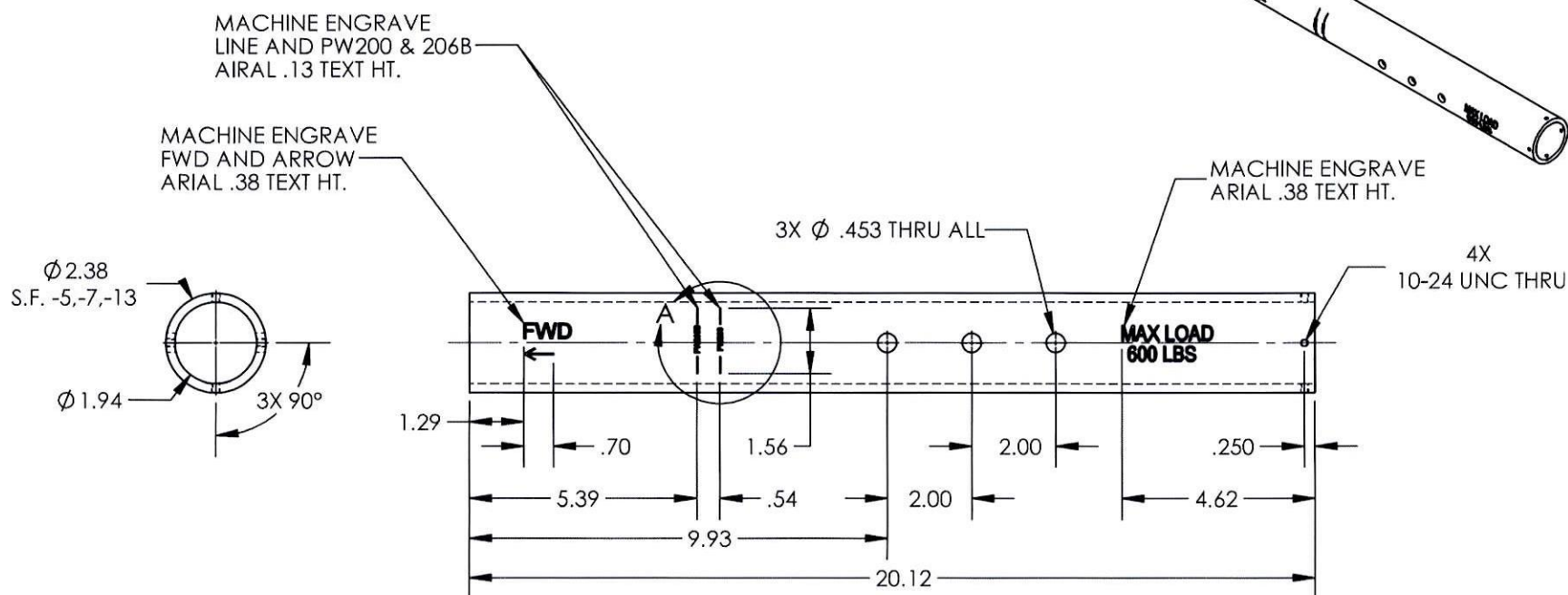
URF 17-623 VM

①
FRAME WELDMENT

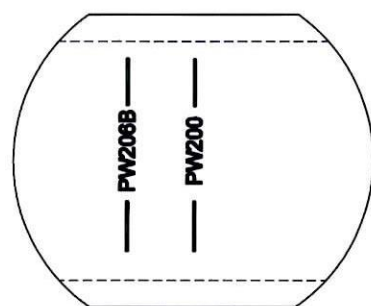
DART AEROSPACE	
TITLE ENGINE HOIST	
DWG NO. RB PWC64211-1	REV 1
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CLOUGH APPROVED: <i>J Gilbert</i> HEAT TREAT FINISH BLACK ANODIZE SPEC MIL-A-8625F, TYPE II, CLASS II USED ON MODEL PRATT & WHITNEY 200 & 206B
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 11/25/2014
SHEET 2 OF 16	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



UNDER REVIEW
URF 17-623 VM



DETAIL A
SCALE 2 : 3

③

FRAME TUBE

DART AEROSPACE	
TITLE ENGINE HOIST	
DWG NO. RB PWC64211-3	REV 1
MAT'L 6061 SCH 80	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J. Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	PRATT & WHITNEY 200 & 206B
SCALE 1:4	DATE 11/25/2014
SHEET 3 OF 16	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040495**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040495

PO Date: 7/16/18

Due Date: 7/30/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Revision

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		RB PWC64211P			Engine Hoist receive pcs	Firmed	-	7/30/18	1 Ea	0 Ea	1 Ea	\$5,697.25/Ea	\$5,697.25
												JUL 17 2018	
Line Item Note W/O 180783												Grand Total: \$5,697.25	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 7/17/18 10:54 AM dart.Lussier.Patrick



20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 22535
Date: Jul 16, 2018
Page: 1

Sold to:	Ship to:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: PO040495	Sold By: Walz, Christian D.
Shipped By: our truck	Ship Date: Jul 16, 2018

Description	Bin Loc	Unit	Quantity ordered	Quantity shipped	Quantity on B/O
Engine Hoist, drawing# RB PWC64211 Rev.1 including: Lifting Strap Assembly, part # RB PWC64844P Lifting Strap Assembly, part # RB PWC64845P		Each	1	1	
		Ass'y	2	2	
		Ass'y	1	1	
The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.					
Received by _____			Thank you for your order!		

DAS
38
9-89



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	P.O. Number
1	RB PWC64211	Engine Hoist including:	40495
2	RB PWC64844	Lifting Strap Assembly	40495
1	RB PWC64845	Lifting Strap Assembly	40495

DAS
38
9-89

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Shigi Walz

Vankleek Hill, July 16, 2018